ELSEVIER

Journal of Hydrology 168 (1995) 299

Journal of Hydrology

Contents

Research Papers

A scale model of multivariate rainfall time series
D.A. Chin 1

Individual variation of sap-flow rate in large pine and spruce trees and stand transpiration: a pilot study at the central NOPEX site
J. Čermák, E. Cienciala, J. Kučera, A. Lindroth and E. Bednářová 17

Solution of multispecies transport in the unsaturated zone using a moving point method
R.J. Lunn and R. Mackay 29

Modelling the long-term impacts of atmospheric pollution deposition and repeated forestry cycles on stream water chemistry for a holm oak forest in northeastern Spain
C. Neal, A. Avila and F. Rodà 51

Study of hydrographs of karstic aquifers by means of correlation and cross-spectral analysis
A. Padilla and A. Pulido-Bosch 73

Water movement in desert soil traced by hydrogen and oxygen isotopes, chloride, and chlorine-36, southern Arizona
B. Liu, F. Phillips, S. Hoines, A.R. Campbell and P. Sharma 91

Sensitivity of conceptual rainfall–runoff algorithms to errors in input data–case of the GR2M model
J.E. Paturel, E. Servat and A. Vassiliadis 111

Unit hydrograph and effective precipitation identification
I. Nalbantis, Ch. Obled and J.Y. Rodriguez 127

Isotope effects accompanying vacuum extraction of soil water for stable isotope analyses
L. Araguás-Araguás, K. Rozanski, R. Gonfiantini and D. Louvat 159

Major element chemistry of the Huanghe (Yellow River), China — weathering processes and climate fluxes
J. Zhang, W.W. Huang, R. Létolle and C. Jusserand 173

Three-dimensional modeling of canopy tree interception of wind-driven rainfall
S.R. Herwitz and R.E. Slye 205

Seasonal hydrologic response at various spatial scales in a small forested catchment, Hitachi Ohta, Japan
R.C. Sidle, Y. Tsuboyama, S. Noguchi, I. Hosoda, M. Fujieda and T. Shimizu 227

Hydrologic control of spatial patterns of suspended sediment concentration at a stream confluence
S.T. Kenworthy and B.L. Rhoads 251

A study on sensitivity of the probability-weighted moments method on the choice of the plotting position formula
T. Haktanir and A. Bozduman 265

Maps of regional evapotranspiration and runoff/precipitation ratios in the northeast United States
M.R. Church, G.D. Bishop and D.L. Cassell 283